

\*\* Paul Schulwitz please. Please return all attachments with search results. THANKS. *ad*

10/03/9995  
Access DB# 101131

## SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: MOLLY CUPERLEY Examiner #: 59757 Date: 08/13/03  
Art Unit: 1641 Phone Number 308-4239 Serial Number: 10/030,999  
Mail Box and Bldg/Room Location: 8D15 Results Format Preferred (circle) PAPER DISK E-MAIL  
7E12

If more than one search is submitted, please prioritize searches in order of need.

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Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Filing Date: 05/16/00

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

- ① Please search for the compound circled on page 8. *also called GEETS? 31-32-3 glycidyl-ethoxy trimethoxysilane*
- \* ② Please search for the linker system of claim 1. *Too Broad*
- ③ Please search for the linker system of claim 1 attached to a surface (other terms: solid phase, SiO<sub>2</sub>, silicon, glass, quartz, silica, gold).

Note: It would be great if you could find polyethylene glycol (PEG) as a linker (see compound of page 8) with a functional group attached at each end (see "The Chemistry of Reactive Groups" attached). Preferably used in any kind of conjugation/bioconjugation method.

- ④ Please see if you can find EPOXYPROPYLTRIMETHOXY SILANE (prior art?) used as a linker.

\* This may be too broad to search. -you might try terms such as linker, spacer, conjugation, bioconjugation, biomolecule, cross-link<sup>although</sup>. Note that X and Z are different, they can each be any type of reactive functional group. For reactive groups see "The Chemistry of Reactive Groups" attached. I've highlighted common functional groups.

### STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: _____	NA Sequence (#) _____	STN <u>1100</u>
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) <u>3</u>	Questel/Orbit _____
Date Searcher Picked Up: <u>8/15</u>	Bibliographic _____	Dr. Link _____
Date Completed: <u>8/19</u>	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: <u>60</u>	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>60</u>	Other _____	Other (specify) _____